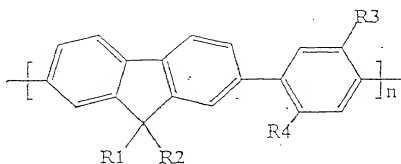


ABSTRACT

Title: Blue Electroluminescent Materials for Polymer Light-Emitting Diodes

A polymeric material comprising alternate substituted fluorene and phenylene units, as represented by the following formula



wherein R₁, R₂, R₃ and R₄, which may be identical or different, are each selected from the group consisting of H, a (C₁ - C₂₂) linear or branched alkyl, alkoxy or oligo (oxyethylene) group, a (C₆ - C₃₀) cycloalkyl group, and an unsubstituted or substituted aryl group, and n is from about 3 to about 5000.

FIGURE 1